| <br> | Claims |  |
|------|--------|--|
|      |        |  |

| Application No. | Applicant(s)  |  |
|-----------------|---------------|--|
| 09/456,027      | BANGA, GAURAV |  |
| Examin r        | Art Unit      |  |
| Gabriel L. Chu  | 2114          |  |

| ′ | Rej ct d | ı | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
|   | Allowed  | + | Restricted                     |

| Z | Non-Elect d  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cli                                | aim                  | Π  |  | D                | ate      |  |        |        | Cla  | im       |                 |          |          | Date     | }        |          |   |       | CI           | aim        |          |          |                | Date            | •        |               |          |          |
|------------------------------------|----------------------|--|--|------------------|----------|--|--------|--------|--|----------|-----------------|----------|----------|----------|----------|----------|---|-------|--------------|------------|----------|----------|----------------|-----------------|----------|---------------|----------|----------|
|                                    |                      | בו   |  | П                |          | П  |        |        |  | -        |                 | Т        | Ī        |          |          |          |   |       |              | _ [        |          |          |                |                 |          |               |          |          |
| Final                              | Original             | in   | j  |                  |          |  |        |        | Final  | Original |                 |          |          |          |          |          |   |       | Final        | Original   | 1        |          |                |                 |          |               | Į        |          |
| i=                                 | Ę                    | 白艺   |  | H                |          | 1  |        |        | ᇤ  | rig      |                 |          |          |          |          | ľ        |   |       | ᇤ            | 🖺          |          |          |                | l               |          |               |          |          |
|                                    | 0                    | H  |  | l l              |          |  |        |        |  | O        |                 |          |          | iΙ       |          |          |   |       |              | 0          |          |          |                |                 |          | ŀ             |          |          |
|                                    | 1                    | E  |  | $\Box$           |          | T  |        |        |  | 51       |                 | T        | 1        | П        | T        | 1-       |   |       |              | 101        |          |          |                |                 | $\neg$   | $\neg$        | $\neg$   | ᄀ        |
| 2                                  | 2                    | -  | - 1-   | Ħ                |          | $\vdash$   | _      |        |  | 52       |                 | $\top$   | 十        | П        | 十        |          | $\top$                                  |       |              | 102        |          | T        |                |                 |          |               |          | ᅱ        |
| <u> </u>                           | <u>*8.</u>           | -  |  | $\vdash$         | $\neg$   | $\vdash$   | _      |        |  | 53       |                 | -        |          | Н        | $\dashv$ | +        | $\Box$                                  |       |              | 103        |          | 1        | Г              | $\neg$          | $\neg$   | $\neg$        | 寸        | ╛        |
| 3                                  | 4                    | r  |  | +                |          | 1 1  | -      |        |  | 54       | -               | _        | $\dashv$ | 1-1      |          | +        | +                                       |       |              | 104        | $\dashv$ | +        | Ι              | $\dashv$        | 一        | $\dashv$      | 7        | 一        |
| 14                                 | 5                    | f  |  | 1-1              |          | +  | +      |        |  | 55       | $\vdash$        | +        |          | +        | +        | +        | +                                       |       |              | 105        |          | $\top$   |                |                 |          | $\dashv$      |          | ᅱ        |
| <del> </del>                       | 6                    | H  | _  | $\vdash$         | -        | $\vdash$   | _      |        |  | 56       | $\vdash$        | $\dashv$ | +        | $\vdash$ | _        |          | +                                       |       |              | 106        | <u> </u> | +-       | -              | $\dashv$        | $\dashv$ | $\dashv$      | 7        | ᅱ        |
| <del>  }</del>                     | 7                    | +  |  | 1-1              |          | ++   |        |        |  | 57       | -               | $\dashv$ | +-       | H        | $\dashv$ | +        | +                                       |       |              | 107        |          | +        | H              | $\dashv$        | $\dashv$ | $\dashv$      | -+       | ᅱ        |
| 6                                  | 8                    | -  | -  | +                |          | ++   | +-     |        |  | 58       | -               |          | +        | +-       |          | +        | +                                       |       |              | 108        |          |          | $\vdash$       |                 | $\dashv$ | $\dashv$      | $\dashv$ | ᅱ        |
|                                    | 9                    | H  | +  | +                | -        | +  | +      |        |  | 59       | $\vdash$        | +        |          | ╁        |          | +        | +                                       |       |              | 109        | +        |          |                | $\vdash$        | -        | +             | $\dashv$ | ⊣        |
|                                    | 10                   | $\vdash$   | $\vdash$   | +                |          | +  | +      |        | $\vdash \vdash$                                  | 60       | $\vdash$        | +        |          | +-       |          | +        | +                                       |       | -            | 110        | $\dashv$ | +-       | -              | $\vdash$        | -        | +             | $\dashv$ | $\dashv$ |
|                                    | 11                   | $\vdash$   | <del>    -</del>                                 | +                |          | ++   | +      |        | $\vdash$   | 61       | $\vdash$        | +        |          | $\vdash$ | +        | +        | +                                       |       | -            | 111        |          | +        | -              | $\vdash$        | $\dashv$ | +             | $\dashv$ | $\dashv$ |
| <u> </u>                           |                      | ├-   | <del>                                     </del> | ╁┼┼              | -        | ++   | +      |        | <u> </u>   |          | $\vdash$        | +        | -        | +-       | +        | +        | +                                       |       | -            |            |          | +        |                | $\vdash$        |          | $\dashv$      | $\dashv$ | $\dashv$ |
| <u></u>                            | 12                   | <del> -</del>                                    | <del>                                     </del> | ╁╌┼              |          | ++   | +      |        | <b>-</b>   | 62<br>63 | $\vdash \vdash$ | +        | +        | +-       | +        | +        | +                                       |       |              | 112<br>113 |          |          |                | $\vdash$        |          | +             | $\dashv$ | $\dashv$ |
| 8                                  | 13                   | -  | <del>                                     </del> | +                | -        | ++   | +      |        | -  |          | $\vdash \vdash$ | +        | - -      | $\vdash$ | $\dashv$ | +        | +                                       |       |              |            |          |          |                |                 | -        | +             | $\dashv$ | $\dashv$ |
| 9                                  | 14                   | H  | $\vdash$   | ╁┼               |          | ++   | +      |        | <u> </u>   | 64       | $\vdash$        | +        |          | ╁┤       | -        |          | +                                       |       |              | 114        |          | +        | $\vdash$       |                 |          | $\dashv$      | -        | $\dashv$ |
| $H\Omega$                          | 15                   | ₩  | $\vdash$   | <b>┼</b>         |          | +-+  |        |        | <b>_</b>   | 65       | $\vdash \vdash$ | +        |          | 1-       | -        | -4       | +                                       |       | -            | 115        |          | +        | $\vdash$       | $\vdash \vdash$ | _        | +             | -        | $\dashv$ |
| $\downarrow \downarrow \downarrow$ | 16                   | 1  | $\vdash \vdash$                                  | $\vdash$         |          | <del>                                     </del> |        |        |  | 66       | $\vdash \vdash$ | 4        | _        | $\vdash$ |          |          | +                                       |       |              | 116        | +        | -        |                | $\vdash \vdash$ | -        | $\dashv$      |          | Ц        |
| 177                                | 17                   | 1=   | $\vdash \vdash$                                  | $\sqcup$         | $\perp$  | $\vdash$   | _      |        |  | 67       | $\sqcup$        | +        | +        | $\vdash$ | $\dashv$ |          | +                                       |       |              | 117        | $\dashv$ | -        |                | $\dashv$        |          | $\dashv$      | _        | 4        |
| -                                  | 78                   | <u> </u>   |  | 1_1              |          | $\sqcup$   |        |        |  | 68       | $\sqcup$        |          |          |          | _        |          | <u> </u>                                |       |              | 118        | _        |          |                | Ш               |          | -             | $\dashv$ | _        |
| 177                                | 19                   | 2 =  |  | $\perp$          |          | <u> </u>   |        |        |  | 69       | Ш               |          | _        | Ш        | $\dashv$ |          | $\perp$                                 |       | <u> </u>     | 119        | _        | _        | <u> </u>       | Ш               | _        | <del></del>   | _        | ᅴ        |
| 19                                 | 20                   | =  |  |                  |          |  |        |        |  | 70       | Ш               | _        |          |          | $\perp$  | $\perp$  | Ш                                       |       |              | 120        |          | $\perp$  |                |                 |          |               | $\dashv$ |          |
| 15                                 | 21                   | =  |  |                  |          |  |        |        |  | 71       | Ш               |          |          |          |          |          | Ш                                       |       |              | 121        |          |          |                | Ш               |          | $\perp$       |          | _        |
| 16                                 | 22                   | 2  |  |                  |          |  |        |        |  | 72       |                 | ŀ        |          |          |          |          |   |       |              | 122        |          |          |                | Ш               |          | $\perp$       | $\perp$  |          |
|                                    | 23                   |  |  |                  |          |  |        |        |  | 73       |                 |          |          |          |          |          |   |       |              | 123        |          | <u> </u> |                |                 |          | $\perp$       |          |          |
|                                    | 23<br>24<br>25<br>26 |  |  |                  |          |  |        |        |  | 74       |                 |          |          |          |          |          |   |       |              | 124        |          |          |                |                 |          | $\Box$        | $\Box$   |          |
|                                    | 25                   |  |  |                  |          |  |        |        |  | 75       |                 |          |          |          |          |          |   |       |              | 125        |          |          |                |                 |          | $\sqcup$      |          |          |
|                                    | 26                   |  |  |                  |          |  |        |        |  | 76       | П               |          |          |          |          |          |   |       |              | 126        |          |          |                |                 |          |               |          |          |
| 18                                 | 27                   | =  |  |                  |          |  |        |        |  | 77       | П               |          |          |          | $\top$   | Т        |   |       |              | 127        |          |          |                |                 |          |               |          |          |
| 15<br>15<br>15                     | 28                   | 1  |  | П                |          |  |        |        |  | 78       |                 | $\neg$   |          |          | $\neg$   |          |   |       |              | 128        |          |          |                |                 |          |               |          |          |
| 130                                | 29                   | $\sqcap$   |  | TT               |          |  |        |        |  | 79       |                 |          |          | 1        | 一        | T        |   |       |              | 129        |          | $\top$   |                |                 |          | П             |          | П        |
| 21                                 | 30                   | 1  |  | $\Box$           |          |  |        |        |  | 80       |                 | $\neg$   |          |          |          |          |   |       |              | 130        |          | $\top$   |                |                 |          |               |          | П        |
| 27                                 | 31                   | -  |  | $\Box$           |          |  | $\neg$ |        |  | 81       | П               | $\neg$   |          |          |          | 1        |   |       |              | 131        | T        | 1        |                |                 |          | $\neg \vdash$ |          | П        |
|                                    | 32                   |  |  | 1 1              | $\neg$   | 1  | $\top$ |        |  | 82       | $\Box$          | $\top$   |          |          | 寸        |          |   |       |              | 132        | $\neg$   |          | Г              | П               |          | $\neg$        |          | $\Box$   |
| 23                                 | 33                   | 10   |  | 1 1              | $\neg$   |  | 1      |        |  | 83       |                 | 1        | $\top$   | $\Box$   | $\dashv$ | $\top$   |   |       |              | 133        |          |          | Г              |                 |          | $\top$        |          | ᅱ        |
| au                                 | 34                   | 1  |  | 11               | $\neg$   |  | 1      |        |  | 84       | $\vdash$        | $\dashv$ | 1        |          |          | 十        | $\top$                                  |       |              | 134        |          |          |                |                 |          | 一             |          | ㄱ        |
| 15द                                | 34<br>35             | Ħ  | $\vdash$   | $\Box$           | $\dashv$ | $\sqcap$   | $\top$ | 1      |  | 85       | $\Box$          | $\top$   | - -      | $\top$   | $\neg$   | -        |   |       |              | 135        | 十        |          |                | П               |          | 一             |          | ᅥ        |
| 57                                 | 36                   | 1  | $\vdash$   | $\Box$           | $\top$   | 1 1  | +      | 1      | <b></b>  | 86       |                 | 十        | $\top$   | $\vdash$ | $\top$   | $\top$   | $\top$                                  |       | <u> </u>     | 136        | 一        |          |                | Н               | $\Box$   | $\dashv$      |          | $\dashv$ |
| A CONTRACT                         |                      | Ť  |  | 1 1              | $\dashv$ | 1 1  |        |        | <u> </u>   | 87       | $\vdash$        | $\dashv$ |          |          | $\dashv$ | $\top$   | T                                       |       |              | 137        | $\neg$   | $\top$   | $\vdash$       | П               | П        | $\dashv$      | _        | $\dashv$ |
| <b>—</b>                           | 37<br>38<br>39<br>40 | t -  | $\vdash$   | 1-+              |          | +  | ╅      | 1      |  | 88       | $\vdash$        | _        | $\top$   | $\top$   | $\dashv$ | $\top$   | +                                       |       | <del></del>  | 138        | $\dashv$ | +        |                | Н               | Н        | $\dashv$      | $\dashv$ | $\dashv$ |
| <b>—</b>                           | <del>***</del>       | <del>                                     </del> | $\vdash$   | +-+              | $\dashv$ | ++   | +      | l      |  | 89       |                 | +        | +        | $\vdash$ | $\dashv$ | +-       | +                                       |       | <u> </u>     | 139        | -        | +        | $\vdash$       | Н               | $\dashv$ | $\neg +$      | -+       | $\dashv$ |
| $\vdash$                           | 1 Th                 | $\vdash$   |  | 1 +              | $\dashv$ | ++   | +      |        | <del>                                     </del> | 90       | $\vdash$        | +        | +        | +        | 十        | $\dashv$ | +                                       |       |              | 140        | +        | +        | $\vdash$       | $\vdash \vdash$ | $\dashv$ | $\dashv$      | $\dashv$ | $\dashv$ |
| 207                                | 41                   | -  | <del>                                     </del> | 1 +              | -        | + +  | +      |        |  | 91       | $\vdash$        | +        | +        | +        | $\dashv$ | -        | +                                       |       | $\vdash$     | 141        | +        | +        | $\vdash$       | H               | -        | $\dashv$      | 7        | $\dashv$ |
| 85 X X Y                           | 42                   | 11 ((11)(1)                                      | $\vdash$   | 1                |          | ++   | +      |        | H-   | 92       | $\vdash$        | +        | +        | +        | $\dashv$ | -+-      | +                                       |       | <del> </del> | 142        | -        | +        |                | Н               | Н        | $\dashv$      | $\dashv$ | ᅱ        |
| 1                                  | 43                   | =  | $\vdash$   | +-+              |          | ++   | +      |        | <del></del>                                      | 93       | $\vdash$        | +        | -+-      | $\vdash$ | -+       | +        | +                                       |       | $\vdash$     | 143        | -        |          | <del>  -</del> | Н               | Н        | $\dashv$      | $\dashv$ | $\dashv$ |
| H                                  | 44                   | =  | $\vdash\vdash$                                   | <del>  -  </del> |          | + +  | +      | 1      |  | 94       |                 | +        | +        | +-       | -+       | +        | +                                       |       | <del> </del> | 144        | $\vdash$ | +        | ├              | $\vdash$        | H        | $\dashv$      | $\dashv$ | $\dashv$ |
| 1                                  | 44                   | =  | $\vdash\vdash$                                   | +                | +        | ++   | +      | ł      | <del> </del>                                     | 95       | $\vdash$        | +        | +        | $\vdash$ | +        |          | +                                       |       | <del> </del> | 145        | +        | +-       | $\vdash$       | Н               | H        | $\dashv$      | $\dashv$ | $\dashv$ |
| L <del>U</del>                     | 45                   | ۳  |  | ++               |          | + +-   | +      | 1      | <u> </u>   | 96       | $\vdash$        | -+       | +        | ╁╌┤      | +        |          | +-                                      |       | <u> </u>     | 146        | +        | +        | -              | $\vdash$        |          | $\dashv$      | +        | $\dashv$ |
| <del>9</del> /                     | 46                   | 2  | ├  | +                | -        | + +-   | +      |        | ├─   |          | $\vdash \vdash$ | +        |          | $\vdash$ | +        | -        | +-                                      |       | <u> </u>     | 140        | -        | +        | $\vdash$       | Н               | $\vdash$ | $\dashv$      | $\dashv$ | $\dashv$ |
| <u> </u>                           | 47                   | -  | ┝╌┼╴   | +                | +        | +-   | +      | liiiii | <u> </u>   | 97       |                 | +        | +        | ٠.       | +        | +        | $\vdash$                                |       | <u> </u>     | 147        |          |          | ├              | ⊢⊣              | $\vdash$ | $\dashv$      | -        | 긕        |
| <u> </u>                           | 48                   | 1  | <del></del>                                      | +                |          | -  | +-     |        | <b></b>  | 98       |                 | -        | +        | +        | -        | +        | +                                       |       | <u> </u>     | 148        | $\vdash$ |          | ⊢              | Н               | Н        | $\dashv$      | -        | ᅴ        |
| <u> </u>                           | 49                   | 1-   | $\vdash$   | ╁╌┼              |          | +  | +      |        |  | 99       | $\sqcup$        | +        | +        | -        | 4        | +        | +                                       |       | <u> </u>     | 149        | -+       | 4        | ⊢              | Н               | Ш        |               |          | ᅴ        |
| L                                  | 50                   | 1  |  | لــلـ            |          |  |        | J::::: |  | 100      |                 |          | L        |          | i_       | 丄        | لــــــــــــــــــــــــــــــــــــــ | ::::: | L            | 150        |          |          | L              |                 |          |               |          |          |